593 in a military installation which keeps them away from their homes, they remain there, helping in the fields, or go out on the fishing boats, as [582] the case may be. If a son other than the first remains in the family after the age of marriage, it is generally for some physical or mental disability. Under the normal operation of the family system, there is 591 no time in a person's life in which he is not part of some family unit and living in the same house with his parents, an elder brother, or with a wife and his children, or with his grandchildren.

727 593 The war enforced many exceptions to this normal life cycle, as the discussion of the previous table brought out: conscription and military service, deaths in battle or as a consequence of the campaign, widowhood and the orphaning of children. In the villages studied, the post-war situation was not disrupting family life further by the movement of younger unattached men to Naha or the larger towns, or by their separation from daily life while doing work for military camps. At least it was not sufficiently frequent to result in a deterioration of normal family life. In these villages branch families were established for the most part 591 in the village of the parent family. There are two reasons for this: first, the desire to remain near the parents and siblings, and second, [423] that the property which the father, or elder brother, has at his disposal is normally real property and land holdings in the village. Cash, which a [435] agricultural or fishing family might have at its disposal, would usually be insufficient at present prices for a second or succeeding son to be given money to purchase land and a house site elsewhere. Occasionally a [425] father sells land in the village to provide his son with money to purchase a house site and fields elsewhere, but this is not usual.

The mechanics of establishing a branch household may be illustrated from practices observed in each of the villages, though the procedure is essentially the same.

[361] Hanashiro is a settlement in the center of a cultivated area of dry field farming and rice paddies. The cultivated area begins on the outer rim of the village. The father, or the elder brother, gives a field (hatake in Japanese) to the son, or younger brother, if it is suitable for a house site. If the land owned is too far away--there are no [425] isolated homesteads--an effort is made to exchange with a neighbor, friend or relative, the far off property for a parcel closer in. If this is not possible, the remote piece is sold and the proceeds used to purchase a suitable plot in the residential area. If the family is too poor to [426] give money or land, an attempt may be made to borrow the money for purchase. If none of these arrangements is possible, the son may simply start out on his own, or less commonly, may live with his wife in the home of his parents, or delay his marriage. But it is uncommon for a second or succeeding son and his wife and children to live in the house of the parents or of the elder brother.

311 591 In this way, the residential area gradually replaces the cultivated areas which surround it. One consequence of the establishment of branch families in agricultural villages is that it gradually decreases the

arable land available for cultivation. House sites cannot be set up on rocky or mountain land away from the village. Whether on the island as a whole the increase in population, the repatriation and the stoppage of large scale emigration will in the future seriously diminish the amount of land available for agricultural uses is an interesting question, but there certainly is a direct relationship between population growth and land taken up with house sites.[5] Not only will a growing population enforce greater demands on the land, but it will inevitably cut down on the amount. 311 591 [161]

Among the fishermen of Minatogawa, there is a little more fluidity in the establishment of branch families. There are seldom enough lands to subdivide, and only about 50% of the fishermen own land in addition to their house site. The branch household is established according to the son's taste, and the father may give money if he can afford it so the son can set himself up in Itoman, Naha, or elsewhere. The usual procedure here is to give land in a former agricultural area of the village, land which was developed in the southern part of the village as a result of the destruction of the war in other parts. Here formerly arable land was taken over directly for residential use. 591 423 [311]

In Matsuda, it is possible to use newly developed areas. This community, unlike the other two, is a series of sub-settlements. In two of these, branch families have settled, one near the seashore, and the other on reclaimed forest land. In both of these areas, the pattern of settlement is different; the clusters of houses give way to the scattered houses, some standing out alone on the top of a knoll or hill, some near the forested slopes of the hillside. In these areas, there is an atmosphere of pioneer settlement. As in Hanashiro, the buying of near land and the selling of far off land and exchange of land are practiced. Since the reclaimed area is considered to be less productive and less desirable, the poorer families are able to purchase land here for their second sons. 591 361 [425]

5

The Pivotal Importance of the First Son

The key person in the family system is the first son. He normally succeeds to the house at the death or retirement of his father. The father may not legally retire before 60. In rare cases--none were encoun- 593 596

5 In general, house and village sites are on arable land, but the quality of this land naturally varies from place to place. See any of the 11 sheets of the Okinawan Soils Map and the discussion in the Remarks column of the legend with reference to the types of soils on which village sites are found.

428 form of fields or of house sites so they may establish branch families.

(3) The inheritance and the division of land cannot be considered abstractly. It is in this area that custom and individual desire have the greatest play. A village farmer does not simply have land. Normally he has a series of scattered land holdings, varying in area, type, and productivity. A farmer does not have a compact area of rice or sweet potato land which can be easily subdivided, but a few small rice plots, of varying grade, some fields for growing sugar cane, sweet potatoes, or [311] vegetables--also of varying grades--and parcels of genya land from which he gets firewood, grass for his thatched roof, or feed for his animals. When speaking of inheritance and division of land, one should think in concrete terms of the various types and grades of land subject to disposition. Under these circumstances, it is meaningless to say that an Okinawan farmer has an average of so many acres of land unless we are prepared also to add its category of productivity or use. The mechanics of land division are therefore directly related to land use and to the fragmentation of land.

(4) There is a tendency to give the second and other sons the scattered holdings and to subdivide these parcels if they are large enough, preserving the land closer to the house site or parcels that adjoin one another for the head of the house.

(5) Generally speaking, the first son does not subdivide a specific parcel of land with his brothers. He will take a whole piece as his own, leaving other parcels to be subdivided among his brothers.

425 (6) Inherited land can be sold, but the customarily approved reasons for doing so are few. This applies with special force to the holdings of the first son. Property can be disposed of without the sale being considered dishonorable when it is associated with a change of occupation involving moving to another place, or with acute economic distress. A man who decides to give up farming and to move his family to the city may sell his land; a man who is physically unable to work his land and has no children of sufficient age to help him may sell his land and set up a village store; a widow with minor children, already in debt, may sell her property. Sellers consult with the members of the extended family who live in the same or in nearby villages and only sell with the consent and advice of these relatives. This is conspicuously true of widows.

592 (7) If the first son dies without issue, he is replaced by the second son who becomes head of a house. If the first son is in a foreign country, the second son at home lives in the house, but this does not endanger the succession rights of the first son abroad. If the first son returns, he succeeds to his house, and the second or other sons living in the house will be obliged to set up a branch family. Occasionally, a second son remains in the main family, even though he cannot succeed to the house; this is during the minority of a deceased elder brother's first son who will take over the house when he is of age.

1: Glacken E-5 (1951-1952) 1953 AC7 Okinawa AC7

(8) Inheritance practices tend toward a slow but continuous fragmentation of land due to the need of establishing branch households. This tendency toward fragmentation is seldom overcome by reversing the process in favor of some form of land consolidation. The major obstacles to consolidation will be dealt with in the next chapter. Fragmentation is more likely to occur in the holdings of the more well-to-do who have property to divide. Among the very poor, whose holdings are small and scattered, there is an enforced primogeniture. It is not possible to divide land indefinitely. The smaller a piece of land, the more likely it will be surrounded by land owned by others, and these isolated islands are difficult either to sell or trade.

(9) Among the fishermen of Hinatogawa, practices applied to real, personal, and movable property, are similar to those of the agricultural villages (nōson). Here the influence of the family system is more on the disposition of personal than of real property, but the effects, if not the rewards, are similar. If a fisherman has dry crop fields--there is no rice land--the elder son receives all, or most of the land. All informants stressed the weight of the individual desire of the father, whose division of property is influenced by the spirit, sobriety, and dependability of his sons. Here there is also the same social disapproval of selling inherited land. The fishermen attempt to supply second sons with small boats, nets, hooks, and other gear, just as the farmer attempts to give land, domestic animals, and agricultural tools. With the very poor, second and third sons may have to be content with nothing or with a few articles of clothing. Among those fishermen who have land, the principle is established that the first son gets the greater part, if not all, of the real property.

3

Mechanics of Land Division

Ownership is scattered; individuals own different types of land in varying proportions and in varying grades within types. Plots of land are small in area. Rice plots are normally the smallest, followed in general in ascending order by dry crop fields, and the wild land (genya). It is from such conditions as these that the difficulties in fairness of division arise.

The following illustrations show the manner in which division is usually carried out. Let us for simplicity first assume four parcels of land:

#1, a house site
#2, a parcel of 700 tsubo third grade dry crop land (hatake)
#3, 500 tsubo of grade one dry crop land, inconvenient and far away from the home, and
#4, 1000 tsubo of grade two hatake.

1: Glacken E-5 (1951-1952) 1953 AC7 Okinawa AC7

179 423 have been affected by roads and trails which have now disappeared.

[115] Old residents[5] of Matsuda and neighboring villages were able to furnish more specific clues regarding the old system and its relation to other phases of village life. These old people estimated the [161] population of Matsuda at the close of the old system at about 360 persons, compared with the present population of 1368. The system operated under much less acute population pressure than exists today. [165] Deaths, especially from malaria, and a high infant mortality kept the population down, although introduced Japanese hygienic measures helped.

[311] Under the old system in Matsuda, there was a continual clearing of land, mostly around the settlement. There seems little doubt that land reclamation and clearing has been going on slowly from the earliest historical times in Okinawa. The land cleared remained under village ownership, but the persons who cleared the property were allowed to hold it for use without giving it up for periodic redistribution. Technical ownership remained with the village.[6] Fences and stone barriers were erected as a protection against the wild boar. But the large scale reclamation and the private ownership of genya land seems to have occurred after the close of the old system.

The dividion of lands at the beginning of the new system has set the boundary pattern of many plots. In Matsuda there were instances of land which has retained the same boundaries that it had under the old system. There was general agreement among the old that the form, boundaries, and areas of land plots have changed [428] very little since the times of the jiwari-seido. This would be particularly true in the case of property which had passed down through [425] the first son. Changes came from the establishment of branch families, and sales and purchases. In these areas, however, buying and selling have been infrequent.

195 423 [171] The history of land tenure in Okinawa, therefore, is different from that of Japan with its long history of tenancy, whose accumulated problems finally led to the land reform of 1946 during the Allied occupation. The present system of land tenure in Okinawa is a little over 50 years old.

178 423 311 The chief influences of the old system were to set in a form recognizable to the present, the pattern of land holding, to establish land classification, and apply it on a very localized basis.

[115] 5 I am indebted here to Shinzato Zensuke of the village of Sokei (Ginoza-son), and to Oshiro-san of Matsuda village (Ginoza-son) both over 70 years of age for their recollections of the history of the system in Matsuda.

[114] 6 This differs from Goldschmidt's account, cited above, in that in this case the land became a usufruct, in the other actual ownership.

423 241 business. Fragmentation means inconvenience, loss of time and effort in the simultaneous cultivation of different fields. The situation is the same for the well-to-do and the poor alike. Large holdings do not mean single pieces of land within a large area, but many small parcels of land, of different classification and grade, scattered like those of a less prosperous farmer. There are offsetting advantages. The greatest of these is that crop destruction through typhoons, salt spray, or flooding may be less catastrophic to the individual owner with small scattered holdings than if a family has a single large plot of land.

423 425 Another effect of fragmentation is that it makes a particular plot of land difficult to sell. If one has a small plot of land, an island in a sea of other ownership, the prospective buyer is in the same position as the seller, unless the buyer owns contiguous land and has the money to make the purchase.

423 The natural question at this point is: what are the possibilities of consolidation of ownership in the interests of more efficient and convenient agriculture? The general answer, I believe, is that fragmentation is almost inevitable, consolidation only possible.

In both of the agricultural villages studied, some voluntary consolidation (kokanbungo) has taken place, but it is not of major proportions. It occurs chiefly for two reasons: (1) clustering one's land near the house site, or having two or more parcels of contiguous land is universally desired. Going to and fro is considered troublesome and onerous. (2) When branch families are established, farmers wish to exchange a distant plot for one in the village for a house site. This is often difficult to do, for such an exchange must be mutually advantageous to bring about a transfer.

423 731 Typhoons are a major obstacle to voluntary consolidation into large holdings. It is perhaps possible to exaggerate this, but personal experience and conversation with villagers who have lost the entire crop of one parcel but have salvaged part of the crop of another convince me of its force. A typhoon damages a whole area but the scattered holdings provide the chance that something might be saved. The total damage is the same in any event regardless of ownership. It is the distribution of loss that varies. If in the future, land consolidation were attempted on a broad scale, either by voluntary individual effort, or cooperatively, crop insurance or some form of sharing losses would seem to be necessary.

423 311 907 The present system of land ownership and of land use and the fragmentation of land would seem to preclude any extensive mechanisation of agriculture. Even with consolidated holdings, the nature of the landscape might make the effort uneconomical, though this is a question for technicians in these fields.

sandstone one sees in the new buildings of Naha often is from the quarries of this area. Stone quarries are scattered in various parts of Okinawa, but the Hinatogawa stone is considered the best.

Sandstone quarrying started, according to older settlers, about sixty years ago. Cutting began on the coast, gradually working up slope over rolling stony land. It is an interesting example of the transformation of a landscape by man. Now with the old methods still in use, the cutting has extended beyond the village. Stonecutting operations in the main are in the steep bluffs around both villages, although there are numerous cuttings in the newer settlements of Hinatogawa and along the seashore. Frequently the cut stone blocks lie near the temporary Hinatogawa tombs which dot the rocky coast. By the simplest methods, large quantities of stone have been and continue to be removed. All work is done by hand; machinery was installed by the Americans after the war, but it is out of working order and stands idle.

Before the war, stonecutting in this vicinity was a more thriving industry than now. Quarries are also found in neighboring Tamagusuku township and there is a distributing outlet in Horikawa, the village across the river. Before the war from 300-500 men are said to have engaged in stonecutting. Now there are about 120 in both villages. Many of these stone workers had come from other parts of Okinawa and the Ryukyus: men from the offshore islands, Ie-shima, the Kerama chain, and Iheya, and on the south east, from Kudaka, Tsuken, and Heanza islands. Most of these settlers from the offshore islands have left. A few, born on Ie-shima, or from the northern district still remain.

Since the war coastwise shipping of lumber and firewood from the north and stone from the south had declined sharply. Trucks have largely displaced the boats. Transport costs are high and the stone is in demand in closer markets.

2

Acquiring and Working the Land

Customary practices govern the quarrying of stone. These eliminate the need for written agreements. Interested persons know the properties and the possibilities of each site. These customary practices are concerned with the acquisition, the working and the restoration of land. Techniques for working the stone have remained nearly the same for at least sixty years.

The stonecutter purchases rights to the stone, not the land itself. When the stone has been extracted, the land is returned to its owner. This is unimproved land, but after the stone has been quarried, a house may be built on the site. When a stonecutter (sekko) wishes to acquire a certain holding, he calls on the owner of the land. Following oral negotiations, the price is agreed upon. A good price

316 (1951-52) is from Y300-400 per tsubo (about four square yards), much
425 higher than ordinary agricultural land. The price varies with supposed
435 quality. The good judgment of the purchaser is necessary for success. He must estimate the quantity of stone, its depth, whether there may be cracks, fissures, or black streaks below, and the effect of underground water as he cuts down deeper. In a year, a good stonecutter can remove stone from about four tsubo of land. If he has extra capital, he may hire help.

316 The types of employment found are either the single operator or the
472 small operator who has one or more employees. The industry is not notable for large capital outlays, or many employees of a single operator. A simple partnership is common. There may be some division of labor, with the owner of the rights doing all the cutting, while a friend or relative who does this as a secondary occupation assists in the removal of the stone and in loading it on a horse cart. The operator who has a piece of land too large to work by himself may hire someone. The employee (yatoi in Japanese, ninpu in Okinawan) is paid according to skill: Y100
[465] a day for a beginning 17 or 18 year old boy, Y150 to the experienced, and Y200 to the worker who can do all phases of the work quickly and skillfully.

Much depends on the nature of the stone being worked. This varies
[804] by locality and with moisture content. It will require 8 hours for a man to cut a six shaku (about six feet) length of hard rock 1 shaku
[461] 2 sun (14.4 inches) deep, but he may be able to make three cuttings of moist or wet rock in the same period. Working time naturally varies with the strength and skill of the cutter. For this reason, piece
[465] work payment is common. The employee, however, may work unused portions of the holdings, receiving two-thirds of the value of the stone cut.

3

Tools and Types of Stone Cut

413 Six tools are used in cutting and extracting the sandstone: (1) the hichi (Okinawan). This tool, about six feet long, resembles a crow bar, but has a sharp chisel edge for cutting the stone. (2) A sharp hand axe (ono in Japanese, yuki in Okinawan) for chipping and finishing, (3) the ishiyuki, a smaller axe, used like the yuki, for chipping and finishing but principally in shaping pyramidal stones (kenchi). The tool is also used to knock off the rough edges of the stone, where it has been split, an operation often performed by old men. (4) The kusukacha (Okinawan). This reminds one of a small light golf iron. It has a handle four or five feet long with a metal strip attached at an angle to one end. It is used to rake off chippings and dust that accumulate in the groove while the cut is being made with the long chisel. (5) Wedges (iya in Okinawan), and (6) sledge hammers are used to split off the stone after the cut has been made.

316 Methods of working with these tools are very simple. The surface dirt is cleared away until the stone to be cut is visible and clean.

[Kanegusuku]

621 Absentee Owners There are 14 former residents of the village who
423 still own land in it; their holdings amount to 5% of the total acreage.
425 Most of these have either rented their land to villagers or have loaned it
[427] out to relatives; only a couple have allowed their holdings to remain idle.
Absentee landlordism is definitely not a problem in Kanegusuku. Most who leave the village to seek employment in the cities seem reluctant to sell their land, and this does not appear to be because of any deep attachment for the soil. They feel that land is a security against the loss of a job or failure in the city; the land will always provide a subsistence. It is also significant that they are most reluctant to part with their house lots, especially old family sites. The house lot in such cases is regarded as an
[604] important tie to the ancestors of the family, and since the dead can influence the fortunes of the living, it is feared that misfortune may follow the sale of a house lot, particularly to a person who is not a close relative. In most of the now unoccupied house lots of Kanegusuku one can find a small site for prayer (uganju) marked by a small censer and bits of incense. Periodically certain of the older members (usually female) of the family return to pay their respects to the ancestors at these spots. One gets the impression that this is done not so much in the spirit of venerating as in the spirit of propitiating.

425 Land Transactions Since the land registries were established again
427 in 1950 there has been a sizable turnover in land holdings. From the last quarter of 1950 through the first quarter of 1954 59 plots have been sold and 154 plots have been rented out. As registrations usually lag far behind transactions, the above figures are undoubtedly too low, and this is especially true of the rentals.

427 Land Rentals Land rentals vary widely depending on the type of land, location, quality, and the relationship between owner and tenant. As a general rule payments are made in cash for house lots, grass land, and forest. If the owner and tenant are close relatives a lower rental will be charged, or in the case of house lots most likely no charge will be made at all. For rice fields the rent is always a percentage of the crop; this too will vary depending on the factors previously mentioned, though sometimes it will run as high as from thirty to forty percent of the yield. Dry fields are paid for in cash or produce depending on the crop and the arrangement; usually items that store well such as beans are acceptable as rent. In all cases, it must be stressed, much depends on the owner-tenant relationship; the land records show many instances of brother renting from brother. In most of these cases, according to informants, a lower rental or sometimes none at all is charged, especially if the one brother is considerably more prosperous than the other. Often persons who seek temporary employment elsewhere will lend their lands to close relatives during their absence rather than rent it out for a short term.

The terms "owner" and "renter" seem virtually meaningless unless referred to in context. For example, most widows have been forced to rent out their rice land, as its maintenance is considered too difficult for a woman. Likewise a number of children orphaned by the war are too young to work their holdings, and these are rented out or worked for them by relatives. At the